

What is claimed is:

1. A method for the joining of TiAl components with a braze, wherein the braze is heated by a laser.
- 5 2. A method in accordance with Claim 1, wherein there is no primary heat input into the components.
3. A method in accordance with Claim 1, wherein there is only minor heat input into the components.
4. A method in accordance with Claim 3, wherein TiAl sheets are joined.
- 10 5. A method in accordance with Claim 4, wherein the components are joined with a braze gap.
6. A method in accordance with Claim 5, wherein the components are butt-joined.
7. A method in accordance with Claim 6, wherein joining is accomplished under protective gas.
- 15 8. A method in accordance with Claim 7, wherein the components are positioned relative to each other at room temperature and under atmospheric pressure.
9. A method in accordance with Claim 8, wherein a ductile braze is used.
10. A method in accordance with Claim 9, wherein the molten bath is protected from sagging by means of a backing bar.
- 20 11. A method in accordance with Claim 10, wherein the braze is fed in the form of a wire.
12. A method in accordance with Claim 10, wherein the braze is fed in the form of powder.
- 25 13. A method in accordance with Claim 2, wherein TiAl sheets are joined.

14. A method in accordance with Claim 13, wherein the components are joined with a braze gap.
15. A method in accordance with Claim 14, wherein the components are butt-joined.
- 5 16. A method in accordance with Claim 15, wherein joining is accomplished under protective gas.
17. A method in accordance with Claim 16, wherein the components are positioned relative to each other at room temperature and under atmospheric pressure.
- 10 18. A method in accordance with Claim 17, wherein a ductile braze is used.
19. A method in accordance with Claim 18, wherein the molten bath is protected from sagging by means of a backing bar.
20. A method in accordance with Claim 1, wherein TiAl sheets are joined.
21. A method in accordance with Claim 1, wherein the components are joined with a braze gap.
- 15 22. A method in accordance with Claim 1, wherein the components are butt-joined.
23. A method in accordance with Claim 1, wherein joining is accomplished under protective gas.
- 20 24. A method in accordance with Claim 1, wherein the components are positioned relative to each other at room temperature and under atmospheric pressure.
25. A method in accordance with Claim 1, wherein a ductile braze is used.
26. A method in accordance with Claim 1, wherein the molten bath is protected from sagging by means of a backing bar.

27. A method in accordance with Claim 1, wherein the TiAl components are joined with a filled joint.
28. A method in accordance with Claim 1, wherein the TiAl components are joined by an overlapping joint.
- 5 29. A method in accordance with Claim 1, wherein the TiAl components are joined without a braze gap.
30. A method in accordance with Claim 4, wherein the TiAl components are joined with a filled joint.
- 10 31. A method in accordance with Claim 4, wherein the TiAl components are joined by an overlapping joint.
32. A method in accordance with Claim 4, wherein the TiAl components are joined without a braze gap.